

## Chapter 17: Rolla

### COMMUNITY PROFILE

The City of Rolla is part of Phelps County and is part of the Northern Ozark area in central Missouri. The city is a base for agriculture, service, and manufacturing; and it is also the home of the University of Missouri-Rolla. Rolla is part of the Ozark Rivers Solid Waste Management District (District K). Phelps County Transfer Station is located along I-44 a few miles east of Rolla city limits. The transfer station receives solid waste from Phelps and surrounding counties. Rolla is located on Interstate 44 and is 106 miles southwest of St. Louis, 110 miles northeast of Springfield, and 210 miles southeast of Kansas City.

#### Demographics:

	<b>Rolla</b>	<b>Phelps County</b>
Area (sq. miles)	8.04	672.78
Population (1990)	14,090	35,248
Density (per sq. mile)	1752.17	52.39
Pop. Change since 1980	5.9%	4.8%
Number of households	5,262	13,273
Persons per household	2.30	2.46
High school graduates	27.5%	32.9%
Median Family Income	\$26,982	\$26,428
Percent below poverty level	22.4%	18.5%

### *Solid Waste Collection*

The cities of Rolla and St. James have both public and private haulers. The curbside programs for both cities are voluntary and everyone pays the same rate for this service.

### *Solid Waste Disposal*

Phelps County Transfer Station is owned and operated by Waste Management, Inc. The solid waste collected at the facility is transferred to the Hartsville Landfill in Wright County. The facility receives approximately 50,000 tons of waste per year, and the current tipping fee is \$43.81 per ton.

### *Waste Reduction and Recycling Programs*

The Cities of Rolla and St. James offer curbside recycling, and Rolla has a drop-off center for the public. District K provides recycling educational programs through schools, a resource center, radio programs, and a monthly news column. There is currently no household hazardous waste facility. Fees for recycling programs are incorporated into the solid waste collection fees for Rolla and St. James. Trash and recycling cost approximately \$12.50 per month in Rolla and \$9.35 in St. James. It is estimated that all recycling programs received a total of 2,000 tons of recyclable material per year.

### *Phelps County Transfer Station Results*

Information about sample size and composition are listed in tables 17-1 to 17-8.

**All weights are listed in pounds and all volumes are in cubic feet.**

**SORT #1**

**Sort Conditions**

The first sort was conducted April 7-8, 1997. An area to the bottom of the transfer station was designated for sort activities. The weather was sunny and cool.

<b>Statistics</b>	
<b>Estimated MSW (lbs) Collected by Site During Sampling Period</b>	769,231
<b>Total Sample Weight (lbs)</b>	2585.7
<b>Significance Test Results</b>	.000
<b>Number of Samples Collected</b>	12

<b>OTHER WASTE CATEGORIES</b>			
<b>Over-the-counter Medication (OTC)</b>	1	<b>Beauty/Hygiene Aerosol Products</b>	0
<b>Prescription Medication (Rx)</b>	9	<b>Household Cleaning Aerosol Products</b>	0
<b>Beauty/Hygiene Products</b>	8	<b>Gardening/Yard Care Products</b>	0
<b>Household Cleaning Products</b>	1	<b>Pet Groom Products</b>	0
<b>Sharps/Blades</b>	1	<b>Disposable Razors</b>	11
<b>Syringes</b>	1	<b>Alkaline Batteries</b>	16
<b>Hardware/Shop Products</b>	0	<b>Automobile Maintenance/Cleaning Products</b>	0
<b>Aerosol Cans</b>	0		
<b>Miscellaneous items:</b> 2 containers of tar/asphalt, 1 container of bubble solution.			
<b>Total Weight (lb): 26.2</b>			
<b>Total Volume (cubic ft.): 1.0</b>			

**TABLE 17-1**

**PHELPS COUNTY TRANSFER STATION (ROLLA)  
SORT # 1**

Sample #	Sample Size		Composition		Recycling Activities	Collection Location
	Weight	Volume	Res.	Comm.		
1	229.6	39.8	80%	20%	Drop-off	Vienna (in-town)
2	207	47.3	50%	50%	Curbside	Sullivan (suburb)
3	236.3	47.7	90%	10%	Curbside/Drop-off	Dixon
4	201.3	54.9	90%	10%	Curbside/Drop-off	Dixon
5	170.7	33.5	80%	20%	Curbside	Owensville
6	207.3	50.4	90%	10%	Curbside/Drop-off	Rolla
7	209.5	45.2	80%	20%	Curbside/Drop-off	Rolla
8	237.5	43.1	100%	0%	Curbside/Drop-off	Rolla
9	199.1	49.7	90%	10%	Curbside/Drop-off	Rolla (rural)
10	193.4	47.3	100%	0%	Curbside	Owensville and Bourbon
11	229.8	45.3	100%	0%	Curbside	Owensville and Bourbon
12	264.2	43.1	100%	0%	Curbside	Owensville and Bourbon
<b>TOTALS</b>	<b>2585.7</b>	<b>547.1</b>				
<b>AVERAGE</b>	<b>215.475</b>	<b>45.6</b>	<b>88%</b>	<b>12%</b>		

TABLE 17-1

**PHELPS COUNTY TRANSFER STATION (ROLLA) SORT # 1**

CATEGORY	TOTALS		AVERAGE		PERCENTAGE	
	wt.	vol.	wt.	vol.	Pct. by wt.	Pct. by vol.
Cardboard	180.0	57.3	15.0	4.8	6.96%	10.47%
Newsprint	226.4	43.5	18.9	3.6	8.76%	7.95%
Magazines	89.9	11.6	7.5	1.0	3.48%	2.12%
High Grade	86.0	17.3	7.2	1.4	3.33%	3.16%
Mixed	370.2	96.5	30.9	8.0	14.32%	17.64%
<b>PAPER TOTALS</b>	<b>952.5</b>	<b>226.2</b>	<b>79.4</b>	<b>18.9</b>	<b>36.84%</b>	<b>41.35%</b>
Clear	96.6	10.0	8.1	0.8	3.74%	1.83%
Brown	53.6	7.0	4.5	0.6	2.07%	1.28%
Green	7.0	0.5	0.6	0.0	0.27%	0.09%
Other	19.0	2.2	1.6	0.2	0.73%	0.40%
<b>GLASS TOTALS</b>	<b>176.2</b>	<b>19.7</b>	<b>14.7</b>	<b>1.6</b>	<b>6.82%</b>	<b>3.60%</b>
Alum. Cans	43.7	17.0	3.6	1.4	1.69%	3.11%
Other Alum	19.9	4.5	1.7	0.4	0.77%	0.82%
Non ferrous	4.8	0.5	0.4	0.0	0.19%	0.09%
Food Cans	87.8	16.5	7.3	1.4	3.40%	3.02%
Ferrous	23.8	3.5	2.0	0.3	0.92%	0.64%
Oil Filters	2.0	0.1	0.2	0.0	0.08%	0.02%
<b>METAL TOTALS</b>	<b>182.0</b>	<b>42.1</b>	<b>15.2</b>	<b>3.5</b>	<b>7.04%</b>	<b>7.70%</b>
PET # 1	42.7	18.6	3.6	1.6	1.65%	3.40%
HDPE # 2	48.3	21.9	4.0	1.8	1.87%	4.00%
Film	107.7	56.5	9.0	4.7	4.17%	10.33%
Other Plastic	159.1	60.6	13.3	5.1	6.15%	11.08%
<b>PLASTIC TOTALS</b>	<b>357.8</b>	<b>157.6</b>	<b>29.8</b>	<b>13.1</b>	<b>13.84%</b>	<b>28.81%</b>
Food Waste	577.8	57.0	48.2	4.8	22.35%	10.42%
Wood Waste	18.7	6.2	1.6	0.5	0.72%	1.13%
Textiles	47.5	9.7	4.0	0.8	1.84%	1.77%
Diapers	82.5	10.6	6.9	0.9	3.19%	1.94%
Other Organics	117.1	12.3	9.8	1.0	4.53%	2.25%
<b>ORGANIC TOTALS</b>	<b>843.6</b>	<b>95.8</b>	<b>70.3</b>	<b>8.0</b>	<b>32.63%</b>	<b>17.51%</b>
Fines	38.9	4.2	3.2	0.4	1.50%	0.77%
Other Inorganics	8.2	0.5	0.7	0.0	0.32%	0.09%
<b>INORGANIC TOTALS</b>	<b>47.1</b>	<b>4.7</b>	<b>3.9</b>	<b>0.4</b>	<b>1.82%</b>	<b>0.86%</b>
<b>OTHER WASTE</b>	<b>26.2</b>	<b>1.0</b>	<b>2.2</b>	<b>0.1</b>	<b>1.01%</b>	<b>0.18%</b>
<b>GRAND TOTAL</b>	<b>2585.4</b>	<b>547.1</b>	<b>215.4</b>	<b>45.6</b>	<b>100.00%</b>	<b>100.00%</b>

TABLE 17-2

## SORT #2

### Sort Conditions

The second sort was conducted May 15-16, 1997. The same sort area was used as in Sort #1. The weather was sunny and very warm.

Statistics	
Estimated MSW (lbs) Collected by Site During Sampling Period	769,231
Total Sample Weight (lbs)	1746.8
Significance Test Results	.000
Number of Samples Collected	10

OTHER WASTE CATEGORIES			
Over-the-counter Medication (OTC)	1	Beauty/Hygiene Aerosol Products	2
Prescription Medication (Rx)	3	Household Cleaning Aerosol Products	0
Beauty/Hygiene Products	0	Gardening/Yard Care Products	0
Household Cleaning Products	1	Pet Groom Products	0
Sharps/Blades	0	Disposable Razors	4
Syringes	37	Alkaline Batteries	4
Hardware/Shop Products	1	Automobile Maintenance/Cleaning Products	0
Aerosol Cans	1		
Miscellaneous items: None.			
Total Weight (lb): 3.5			
Total Volume (cubic ft.): .5			

**PHELPS COUNTY TRANSFER STATION (ROLLA)  
SORT # 2**

Sample #	Sample Size		Composition		Recycling Activities	Collection Location
	Weight	Volume	Res.	Comm.		
1	203.4	56.7	100%	0%	Curbside/Drop-off	Rolla
2	179.2	46.8	100%	0%	Curbside/Drop-off	Rolla
3	218.4	46.6	100%	0%	Curbside/Drop-off	Rolla
4	164.5	52.1	100%	0%	Curbside/Drop-off	Rolla
5	143	49.8	100%	0%	Curbside/Drop-off	Rolla
6	181.9	50.1	100%	0%	Curbside/Drop-off	Rolla
7	177.3	42.7	50%	50%	Curbside	St. James (city limits)
8	183.5	45.3	100%	0%	Curbside	St. James (city limits)
9	152.9	47.6	50%	50%	Drop-off	Salem
10	142.7	40.3	50%	50%	Drop-off	Salem
<b>TOTALS</b>	<b>1746.8</b>	<b>477.5</b>				
<b>AVERAGE</b>	<b>174.68</b>	<b>47.8</b>	<b>85%</b>	<b>15%</b>		

TABLE 17-3

**PHELPS COUNTY TRANSFER STATION (ROLLA) SORT # 2**

CATEGORY	TOTALS		AVERAGE		PERCENTAGE	
	wt.	vol.	wt.	vol.	Pct. by wt.	Pct. by vol.
Cardboard	116.1	50.7	11.6	5.1	6.65%	10.62%
Newsprint	97.1	24.6	9.7	2.5	5.56%	5.15%
Magazines	73.4	9.1	7.3	0.9	4.20%	1.91%
High Grade	134.6	27.8	13.5	2.8	7.71%	5.82%
Mixed	184.3	69.5	18.4	7.0	10.55%	14.55%
<b>PAPER TOTALS</b>	<b>605.5</b>	<b>181.7</b>	<b>60.6</b>	<b>18.2</b>	<b>34.67%</b>	<b>38.05%</b>
Clear	49.4	3.7	4.9	0.4	2.83%	0.77%
Brown	32.1	3.4	3.2	0.3	1.84%	0.71%
Green	9.0	0.8	0.9	0.1	0.52%	0.17%
Other	6.5	1.5	0.7	0.2	0.37%	0.31%
<b>GLASS TOTALS</b>	<b>97.0</b>	<b>9.4</b>	<b>9.7</b>	<b>0.9</b>	<b>5.55%</b>	<b>1.97%</b>
Alum. Cans	15.7	7.4	1.6	0.7	0.90%	1.55%
Other Alum	7.4	3.5	0.7	0.4	0.42%	0.73%
Non ferrous	6.0	5.2	0.6	0.5	0.34%	1.09%
Food Cans	50.6	13.0	5.1	1.3	2.90%	2.72%
Ferrous	19.0	4.5	1.9	0.5	1.09%	0.94%
Oil Filters	0.0	0.0	0.0	0.0	0.00%	0.00%
<b>METAL TOTALS</b>	<b>98.7</b>	<b>33.6</b>	<b>9.9</b>	<b>3.4</b>	<b>5.65%</b>	<b>7.04%</b>
PET # 1	28.1	16.5	2.8	1.7	1.61%	3.46%
HDPE # 2	35.5	23.8	3.6	2.4	2.03%	4.98%
Film	57.6	47.5	5.8	4.8	3.30%	9.95%
Other Plastic	122.4	67.4	12.2	6.7	7.01%	14.12%
<b>PLASTIC TOTALS</b>	<b>243.6</b>	<b>155.2</b>	<b>24.4</b>	<b>15.5</b>	<b>13.95%</b>	<b>32.50%</b>
Food Waste	428.0	49.0	42.8	4.9	24.51%	10.26%
Wood Waste	4.3	1.9	0.4	0.2	0.25%	0.40%
Textiles	101.1	19.2	10.1	1.9	5.79%	4.02%
Diapers	63.1	7.1	6.3	0.7	3.61%	1.49%
Other Organics	46.1	9.4	4.6	0.9	2.64%	1.97%
<b>ORGANIC TOTALS</b>	<b>642.6</b>	<b>86.6</b>	<b>64.3</b>	<b>8.7</b>	<b>36.80%</b>	<b>18.14%</b>
Fines	35.9	8.5	3.6	0.9	2.06%	1.78%
Other Inorganics	19.5	2.0	2.0	0.2	1.12%	0.42%
<b>INORGANIC TOTALS</b>	<b>55.4</b>	<b>10.5</b>	<b>5.5</b>	<b>1.1</b>	<b>3.17%</b>	<b>2.20%</b>
<b>OTHER WASTE</b>	<b>3.5</b>	<b>0.5</b>	<b>0.4</b>	<b>0.1</b>	<b>0.20%</b>	<b>0.10%</b>
<b>GRAND TOTAL</b>	<b>1746.3</b>	<b>477.5</b>	<b>174.6</b>	<b>47.8</b>	<b>100.00%</b>	<b>100.00%</b>

**SORT #3**

**Sort Conditions**

The third sort was conducted September 29- October 1, 1997. The same sort area was used as in the previous sort. The weather was sunny and very warm.

<b>Statistics</b>	
<b>Estimated MSW (lbs) Collected by Site During Sampling Period</b>	769,231
<b>Total Sample Weight (lbs)</b>	2257.0
<b>Significance Test Results</b>	.000
<b>Number of Samples Collected</b>	11

<b>OTHER WASTE CATEGORIES</b>			
<b>Over-the-counter Medication (OTC)</b>	1	<b>Beauty/Hygiene Aerosol Products</b>	0
<b>Prescription Medication (Rx)</b>	1	<b>Household Cleaning Aerosol Products</b>	0
<b>Beauty/Hygiene Products</b>	1	<b>Gardening/Yard Care Products</b>	0
<b>Household Cleaning Products</b>	3	<b>Pet Groom Products</b>	0
<b>Sharps/Blades</b>	0	<b>Disposable Razors</b>	8
<b>Syringes</b>	2	<b>Alkaline Batteries</b>	17
<b>Hardware/Shop Products</b>	1	<b>Automobile Maintenance/Cleaning Products</b>	0
<b>Aerosol Cans</b>	1		
<b>Miscellaneous items: 1/2 bag of water softener.</b>			
<b>Total Weight (lb): 15.25</b>			
<b>Total Volume (cubic ft.): 1.2</b>			

**PHELPS COUNTY TRANSFER STATION (ROLLA)**  
**SORT # 3**

Sample #	Sample Size		Composition		Recycling Activities	Collection Location
	Weight	Volume	Res.	Comm.		
1	194.7	46	100%	0%	Curbside/Drop-off	Phelps County (rural)
2	241.5	48.6	100%	0%	None	Bland
3	252.5	50.5	95%	5%	Curbside	Vichy, St. James (rural)
4	217.2	46.1	95%	5%	Curbside	Vichy, St. James (rural)
5	246.8	53.5	100%	0%	None	St. James, Vichy, High Gate (rural)
6	214.6	35.5	60%	40%	Curbside	Owensville
7	178.4	33.3	60%	40%	Curbside	Owensville
8	219.5	46.9	80%	20%	Curbside/Drop-off	Rolla (college and school)
9	181.2	33.7	90%	10%	Curbside/Drop-off	Rolla
10	133	34.8	90%	10%	Curbside/Drop-off	Rolla
11	177.5	37.7	90%	10%	Curbside/Drop-off	Rolla
<b>TOTALS</b>	<b>2257</b>	<b>466.5</b>				
<b>AVERAGE</b>	<b>205.1818</b>	<b>42.4</b>	<b>87%</b>	<b>13%</b>		

TABLE 17-5

**PHELPS COUNTY TRANSFER STATION (ROLLA) SORT # 3**

CATEGORY	TOTALS		AVERAGE		PERCENTAGE	
	wt.	vol.	wt.	vol.	Pct. by wt.	Pct. by vol.
Cardboard	160.2	59.9	14.6	5.4	7.10%	12.83%
Newsprint	161.6	26.8	14.7	2.4	7.16%	5.73%
Magazines	88.8	5.2	8.1	0.5	3.93%	1.11%
High Grade	59.2	15.2	5.4	1.4	2.62%	3.26%
Mixed	292.5	74.7	26.6	6.8	12.96%	16.00%
<b>PAPER TOTALS</b>	<b>762.1</b>	<b>181.7</b>	<b>69.3</b>	<b>16.5</b>	<b>33.77%</b>	<b>38.94%</b>
Clear	81.0	4.4	7.4	0.4	3.59%	0.94%
Brown	15.5	1.1	1.4	0.1	0.69%	0.24%
Green	9.0	0.9	0.8	0.1	0.40%	0.19%
Other	16.0	1.4	1.5	0.1	0.71%	0.30%
<b>GLASS TOTALS</b>	<b>121.5</b>	<b>7.8</b>	<b>11.0</b>	<b>0.7</b>	<b>5.38%</b>	<b>1.67%</b>
Alum. Cans	26.4	9.8	2.4	0.9	1.17%	2.09%
Other Alum	21.1	5.2	1.9	0.5	0.93%	1.11%
Non ferrous	1.9	0.4	0.2	0.0	0.08%	0.09%
Food Cans	83.0	14.4	7.5	1.3	3.68%	3.08%
Ferrous	28.2	3.1	2.6	0.3	1.25%	0.66%
Oil Filters	4.9	0.3	0.4	0.0	0.21%	0.06%
<b>METAL TOTALS</b>	<b>165.4</b>	<b>33.1</b>	<b>15.0</b>	<b>3.0</b>	<b>7.33%</b>	<b>7.10%</b>
PET # 1	35.1	15.6	3.2	1.4	1.56%	3.33%
HDPE # 2	45.8	26.3	4.2	2.4	2.03%	5.63%
Film	100.5	53.5	9.1	4.9	4.45%	11.47%
Other Plastic	167.9	68.0	15.3	6.2	7.44%	14.57%
<b>PLASTIC TOTALS</b>	<b>349.3</b>	<b>163.3</b>	<b>31.8</b>	<b>14.8</b>	<b>15.47%</b>	<b>34.99%</b>
Food Waste	453.1	32.9	41.2	3.0	20.08%	7.04%
Wood Waste	14.2	1.9	1.3	0.2	0.63%	0.41%
Textiles	107.1	20.7	9.7	1.9	4.75%	4.43%
Diapers	131.5	10.0	12.0	0.9	5.82%	2.14%
Other Organics	37.4	5.9	3.4	0.5	1.65%	1.26%
<b>ORGANIC TOTALS</b>	<b>743.2</b>	<b>71.3</b>	<b>67.6</b>	<b>6.5</b>	<b>32.93%</b>	<b>15.28%</b>
Fines	74.1	5.7	6.7	0.5	3.28%	1.21%
Other Inorganics	26.2	2.6	2.4	0.2	1.16%	0.55%
<b>INORGANIC TOTALS</b>	<b>100.3</b>	<b>8.2</b>	<b>9.1</b>	<b>0.7</b>	<b>4.44%</b>	<b>1.76%</b>
<b>OTHER WASTE</b>	<b>15.3</b>	<b>1.2</b>	<b>1.4</b>	<b>0.1</b>	<b>0.68%</b>	<b>0.26%</b>
<b>GRAND TOTAL</b>	<b>2257.0</b>	<b>466.5</b>	<b>205.2</b>	<b>42.4</b>	<b>100.00%</b>	<b>100.00%</b>

## **SORT SUMMARY**

### **Seasonal variations**

- There was a marked increase in the amount of high grade paper in the second round.  
This was probably due to the University closing for the summer.
- Aluminum can totals were down during the second round, probably due to the decrease in student population for the summer.
- Diaper totals increased throughout the year.

### **Sort results**

- Chart 17-1 graphically compares the three seasonal sort results and shows the average waste composition, by major category, for Rolla.
- The sample data for all Rolla waste sorts are listed on Table 17-7.
- The sort results for Rolla are listed on Table 17-8.
- The summary of statistical relevance for the Rolla sorts is located on page 276.
- The total for all “other wastes” found during the Rolla sorts is on page 276.

**All weights are in pounds and volumes are listed in cubic feet.**

Comparisons of the Rolla’s waste stream to previous studies and other communities can be found in Chapter 24.

# ROLLA RESULTS BY WEIGHT

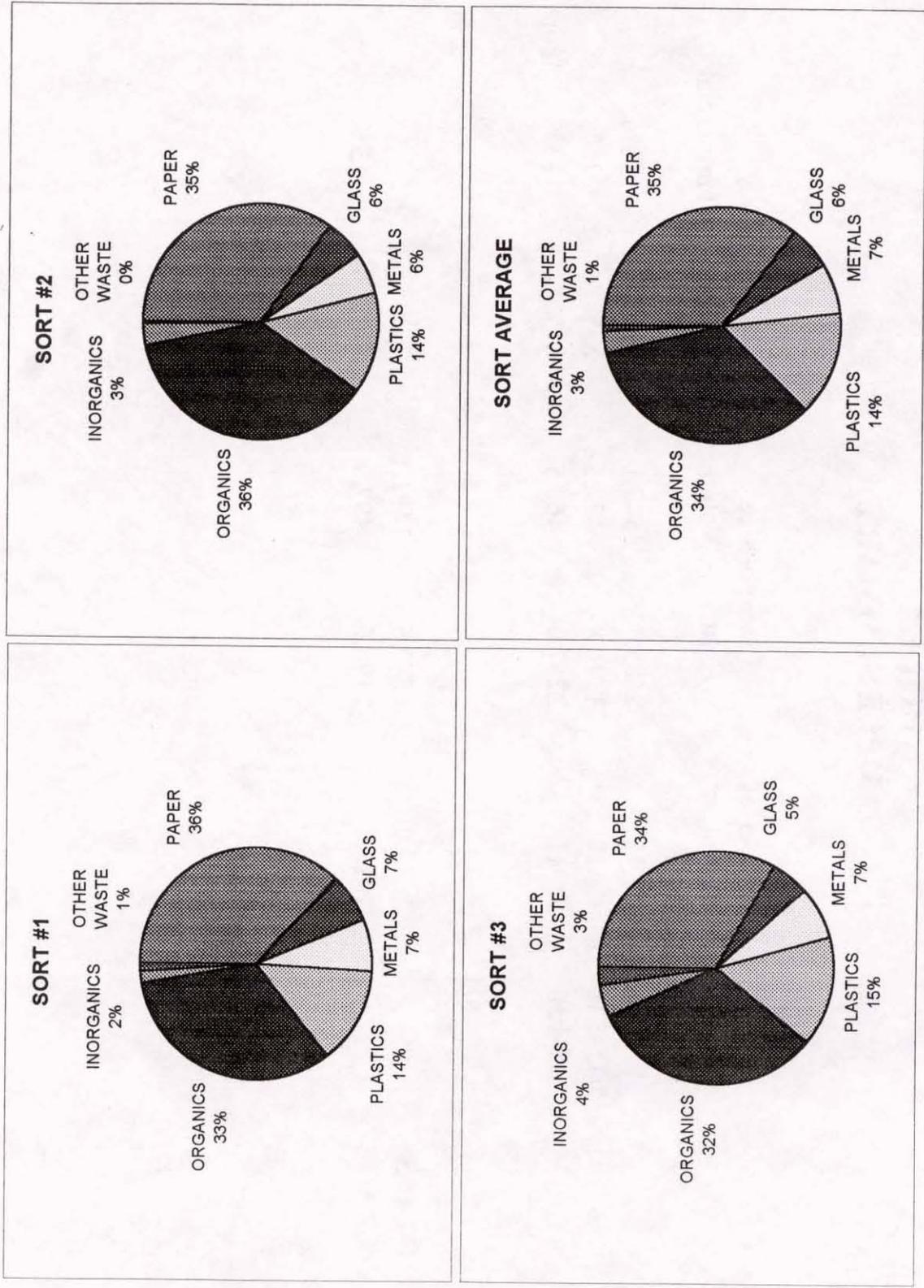


CHART 17-1

**ROLLA  
SAMPLE SUMMARY**

Sort #	Dates	Number of Samples	Sample Size		Composition	
			Weight	Volume	Residential	Commercial
1	4/7-4/8	12	2585.7	547.1	88%	12%
2	5/15-5/16	10	1746.8	477.5	85%	15%
3	9/29-10/1	11	2257.0	466.5	87%	13%
<b>TOTALS</b>		<b>33.0</b>	<b>6589.5</b>	<b>1491.1</b>		
<b>AVERAGE</b>		<b>11.0</b>	<b>2196.5</b>	<b>497.0</b>	<b>87%</b>	<b>13%</b>

TABLE 17-7

CATEGORY	ROLLA						SUMMARY	
	SORT # 1		SORT # 2		SORT # 3		AVERAGE	
	WT.	VOL.	WT.	VOL.	WT.	VOL.	WT.	VOL.
Cardboard	7.0%	10.5%	6.6%	10.6%	7.1%	12.8%	6.9%	11.3%
Newsprint	8.8%	8.0%	5.6%	5.2%	7.2%	5.7%	7.4%	6.4%
Magazines	3.5%	2.1%	4.2%	1.9%	3.9%	1.1%	3.8%	1.7%
High Grade	3.3%	3.2%	7.7%	5.8%	2.6%	3.3%	4.2%	4.0%
Mixed	14.3%	17.6%	10.6%	14.6%	13.0%	16.0%	12.9%	16.1%
<b>PAPER TOTALS</b>	<b>36.8%</b>	<b>41.3%</b>	<b>34.7%</b>	<b>38.1%</b>	<b>33.8%</b>	<b>39.0%</b>	<b>35.2%</b>	<b>39.5%</b>
Clear	3.7%	1.8%	2.8%	0.8%	3.6%	0.9%	3.4%	1.2%
Brown	2.1%	1.3%	1.8%	0.7%	0.7%	0.2%	1.5%	0.8%
Green	0.3%	0.1%	0.5%	0.2%	0.4%	0.2%	0.4%	0.1%
Other	0.7%	0.4%	0.4%	0.3%	0.7%	0.3%	0.6%	0.3%
<b>GLASS TOTALS</b>	<b>6.8%</b>	<b>3.6%</b>	<b>5.6%</b>	<b>2.0%</b>	<b>5.4%</b>	<b>1.7%</b>	<b>6.0%</b>	<b>2.5%</b>
Alum. Cans	1.7%	3.1%	0.9%	1.5%	1.2%	2.1%	1.3%	2.3%
Other Alum	0.8%	0.8%	0.4%	0.7%	0.9%	1.1%	0.7%	0.9%
Non ferrous	0.2%	0.1%	0.3%	1.1%	0.1%	0.1%	0.2%	0.4%
Food Cans	3.4%	3.0%	2.9%	2.7%	3.7%	3.1%	3.4%	2.9%
Ferrous	0.9%	0.6%	1.1%	0.9%	1.2%	0.7%	1.1%	0.7%
Oil Filters	0.1%	0.0%	0.0%	0.0%	0.2%	0.1%	0.1%	0.0%
<b>METAL TOTALS</b>	<b>7.0%</b>	<b>7.7%</b>	<b>5.7%</b>	<b>7.0%</b>	<b>7.3%</b>	<b>7.1%</b>	<b>6.8%</b>	<b>7.3%</b>
PET # 1	1.7%	3.4%	1.6%	3.5%	1.6%	3.3%	1.6%	3.4%
HDPE # 2	1.9%	4.0%	2.0%	5.0%	2.0%	5.6%	2.0%	4.8%
Film	4.2%	10.3%	3.3%	9.9%	4.5%	11.5%	4.0%	10.6%
Other Plastic	6.2%	11.1%	7.0%	14.1%	7.4%	14.6%	6.8%	13.1%
<b>PLASTIC TOTALS</b>	<b>13.8%</b>	<b>28.8%</b>	<b>13.9%</b>	<b>32.5%</b>	<b>15.5%</b>	<b>35.0%</b>	<b>14.4%</b>	<b>33.1%</b>
Food Waste	22.3%	10.4%	24.5%	10.3%	20.1%	7.1%	22.1%	9.3%
Wood Waste	0.7%	1.1%	0.2%	0.4%	0.6%	0.4%	0.6%	0.7%
Textiles	1.8%	1.8%	5.8%	4.0%	4.7%	4.4%	3.9%	3.3%
Diapers	3.2%	1.9%	3.6%	1.5%	5.8%	2.1%	4.2%	1.9%
Other Organics	4.5%	2.2%	2.6%	2.0%	1.7%	1.3%	3.0%	1.9%
<b>ORGANIC TOTALS</b>	<b>32.6%</b>	<b>17.5%</b>	<b>36.8%</b>	<b>18.1%</b>	<b>32.9%</b>	<b>15.3%</b>	<b>33.8%</b>	<b>17.0%</b>
Fines	1.5%	0.8%	2.1%	1.8%	3.3%	1.2%	2.3%	1.2%
Other Inorganics	0.3%	0.1%	1.1%	0.4%	1.2%	0.6%	0.8%	0.3%
<b>INORGANIC TOTALS</b>	<b>1.8%</b>	<b>0.9%</b>	<b>3.2%</b>	<b>2.2%</b>	<b>4.4%</b>	<b>1.8%</b>	<b>3.1%</b>	<b>1.6%</b>
<b>OTHER WASTE</b>	<b>1.0%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.1%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.2%</b>
<b>SORT TOTALS</b>	<b>100%</b>							

TABLE 17-8

<b>Rolla Statistical Summary</b>	
<b>Estimated MSW (lbs) Collected by Site During Sampling Period</b>	2,307,693
<b>Total Sample Weight (lbs)</b>	6588.7
<b>Significance Test Results</b>	.000
<b>Number of Samples Collected</b>	33
<b>Mean Sample (lbs) and Confidence Interval (95%)</b>	198.3 (+/-) 11.60

<b>Rolla "Other Waste" Summary</b>			
<b>Over-the-counter Medication (OTC)</b>	3	<b>Beauty/Hygiene Aerosol Products</b>	2
<b>Prescription Medication (Rx)</b>	13	<b>Household Cleaning Aerosol Products</b>	0
<b>Beauty/Hygiene Products</b>	9	<b>Gardening/Yard Care Products</b>	0
<b>Household Cleaning Products</b>	5	<b>Pet Groom Products</b>	0
<b>Sharps/Blades</b>	3	<b>Disposable Razors</b>	23
<b>Syringes</b>	40	<b>Alkaline Batteries</b>	37
<b>Hardware/Shop Products</b>	3	<b>Automobile Maintenance/Cleaning Products</b>	0
<b>Aerosol Cans</b>	2		
<b>Miscellaneous items:</b> 2 containers of tar/asphalt, 1 container of bubble solution, 1/2 bag of water softener.			
<b>Total Weight (lb): 44.95</b>			
<b>Total Volume (cubic ft.): 2.7</b>			